

MR-3054 Ground in Sugar Division 1857915 28 49

Particulars 2012 / (2013 2014)

Schedule XLV-Form No. 134

4448 as 7/11 - 974 34124124

Agreement No. 81/MR-3054-22-23 DIVISION

Cost cost 4226990/- MBNO-2798

Material cost 1438935/-

Total 5665925/-

SUB-DIVISION

WEATHERMENT BOOK

Date of commencement - 5/1/23

Date of completion - 4/10/23

प्रमाणित किया जाता है कि इस
मापीयता में कुल-100 (एक सौ)
द्वारा मन्त्री द्वारा सुदृष्टिपूर्वक
जो सुदृष्टिपूर्वक अभिलेखित किया
प्रमाणित किया जाता है कि
किया जाता है

Executive Engineer
RWD Work Division
Araria

Sch. XLV - Form No. 134

DIVISION

SUB-DIVISION

Measurement Book

No. 2798

Name of officer _____

Date of first entry _____

Date of last entry _____



Name of Work—
 Situation of Work—
 Agency by which work is executed—
 Date of Measurement—
 No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W' - Const. of Road from PWD Road Pitra Bigwas Package no- MR-N/19-20.					
N/A :- Punam Upadhyay					
Agg. No. :- 81-SBD-MR3054-2022-23					
Date of start :- 05.01.2023					
Date of completion :- 04.10.2023					
AvR :- 56,65,925.00					
① Clearing and Grubbing					
Road Land - do - do - E/2					
2x10x30x1 = 600m ²					
2x12x30x1 = 720m ²					
2x13x30x1 = 780m ²					
2x15x30x1 = 900m ²					
total = 3000m ²					
3000m ² ÷ 1000 = 0.30 HA					
② Const. of Sub-grade as					
Earthen Shoulders - do - do - E/2					
2x10x30x1.25x0.3 = 202.50m ³					
2x12x30x1.25x0.3 = 243.00m ³					

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 13	30	1.125	0.3	$= 263.25 \text{ m}^3$
	2 x 15	30	1.125	0.3	$= 303.75 \text{ m}^3$
	total -				1012.50 m^3
③ P.V. G.S. grading by well graded material					
G.S. - II - do - do - E/2					
	4 x 30	1.2	0.1		$= 14.40 \text{ m}^3$
	2 x 30	2.5	0.1		$= 15.00 \text{ m}^3$
	3 x 30	1.5	0.1		$= 13.50 \text{ m}^3$
	1 x 30	2.5	0.1		$= 7.50 \text{ m}^3$
	3 x 30	1.25	0.1		$= 11.25 \text{ m}^3$
	total -				61.65 m^3
④ P.V. w. B.M. grading - 2					
Providing, laying, spreading and Compacting - do - do - E/2					
	2 x 30	2.75	0.075		$= 12.38 \text{ m}^3$
	2 x 30	3	0.075		$= 13.50 \text{ m}^3$
	3 x 30	1.75	0.075		$= 11.81 \text{ m}^3$
	4 x 30	1.5	0.075		$= 13.50 \text{ m}^3$
	1 x 30	2.2	0.075		$= 4.95 \text{ m}^3$
	total -				56.14 m^3
⑤ P.V. w. B.M. grading - II					
Providing, laying, spreading and Compacting - do - do - E/2					
	10 x 30	3.75	0.075		$= 84.375 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12 x 30 x 3.75 x 0.075 =					101.25 m ³
13 x 30 x 3.75 x 0.075 =					109.6875 m ³
15 x 30 x 3.75 x 0.075 =					126.5625 m ³
Handwritten				- total -	421.875 m ³
⑥ P/V laying Applying (SSI)					
Primer coat - do - do - E/I					
20 x 30 x 3.75 =					2250 m ²
15 x 30 x 3.75 =					1687.5 m ²
15 x 30 x 3.75 =					1687.5 m ²
1 x 15 x 3.75 =					56.25
					5681.25 m ²
				Qty (limit) =	5625 m ²
⑦ P/V and Applying track					
coat (SSI) do - do - E/I					
20 x 30 x 3.75 =					2250 m ²
15 x 30 x 3.75 =					1687.5 m ²
15 x 30 x 3.75 =					1687.5 m ²
1 x 15 x 3.75 =					56.25
					5681.25 m ²
				Qty (limit) =	5625 m ²
⑧ Mix seal Surfacing					
P/V laying and rolling					
do - do - E/I					
20 x 30 x 3.75 =					2250 m ²
15 x 30 x 3.75 =					1687.5 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		15	30	3.75	$= 1687.5 \text{ m}^2$
		1	10	3.75	$= 37.5 \text{ m}^2$
		total			$= 1725 \text{ m}^2$
		Qty (Lmt) =			5685 m ²
⑨ Reinforced Cement concrete					
Misgrade Kilometers local					
Stone of standard design					
do - do - E12					
i) K. m stone No. - 3					
ii) 200m stone No. - 6					
⑩ Direction and place					
identification signs					
with size more do-do-E12					
Retro-Reflectorised					
traffic Board - No. 3.88 m ²					
⑪ Painting lines, Dashes					
Arrows - do-do-E12					
$150 \times 1 \times 10 \times 0.01 = 15 \text{ m}^2$					
⑫ Retro-Reflectorised					
traffic signs do-do-E12					
i) 600mm Equilateral and					
triangle board - No. - 01					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
i) 600mm Circular - Nos - 01					
iii) 600mm x 450mm Rectangular - No. - 01					
(13) Planting of trees and their maintenance by the Road Side do-cto-					
			7 x 75 =		75 Nos.
(14) Half Brick Circular tree guard - do-do - E 12					
			1 x 75 =		75 Nos.
(15) Road marking with hot Applied thermoplastic Compound 2.5mm thick do-do - E 12					
			2 x 20 x 30 x 0.10 =		120 m ²
			2 x 20 x 30 x 0.10 =		120 m ²
			2 x 10 x 30 x 0.10 =		60 m ²
			10 - 10 -		300 m ²
(16) Providing and fixing logo of Maintenance Project					
i) Providing and fixing logo of maintenance Project - No. - 02					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Brick Masonary Work					
in Cement mortar 1:3					
in Fairf. do do - E11					
$2 \times 6.00 \times 0.40 \times 0.60 =$					2.88 m^3
(18) Plastering with Cement mortar (1:4) on brick work in sub-structure etc. etc.					
Side face					
$4.00 \times 6.00 \times 0.60 =$					14.40 m^2
Top					
$2.00 \times 6.00 \times 0.40 =$					4.80 m^2
Front face					
$4.00 \times 0.60 \times 0.60 =$					0.96 m^2
total -					20.16 m^2
(19) Painting Two coats on New concrete surface					
- do - do - E11					
Side face					
$4.00 \times 4.00 \times 0.60 =$					9.60 m^2
Top - $2 \times 0.00 \times 4.00 \times 6.00 =$					48.00 m^2
Front face $4.00 \times 0.40 \times 0.60 =$					0.96 m^2
total -					58.56 m^2

Continuation



Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① clearing and grubbing road land (by manual means)					
0.30 Ha (Q.V.TMBP-1)					
@ Rs. 52970.33/Ha - Rs.					15891/-
② Const. of Subgrade and earthen shoulder					
1012.50 m ³ (Q.V.TMBP-2)					
@ Rs. 192.25/m ³ - Rs.					194653/-
③ Const. of granular sub base by providing well graded Material. Unit					
61.65 m ² (Q.V.TMBP-2)					
@ Rs. 2440.02/m ² - Rs.					150427/-
④ P.V. laying, spreading and compacting Stone aggregate WBM Gr-II					
56.14 m ³ (Q.V.TMBP-2)					
@ Rs. 4199.87/m ³ - Rs.					235781/-
⑤ P.V. laying, spreading and compacting Stone aggregate					
421.875 m ³ (Q.V.TMBP-3)					
@ Rs. 3858.89/m ³ - Rs.					1627969/-
⑥ P.V. X applying primer Coat with bitumen Emulsion					
5625 m ² (Q.V.TMBP-3)					
@ Rs. 42.02/m ² Continuation - Rs.					236362/-
					Rs. 2461083/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ P/V x applying tack coat with bitumen Emulsion.					
5625 m ² (Q.V.T.M.B P-3)					
@Rs. 14.35/m ²					Rs. 80719/-
⑧ P/V, laying and rolling of close graded premix Surfacing Material.					
5681.20 m ² (Q.V.T.M.B P-4)					114317/-
@Rs. 201.22/m ²					
⑨ R.C.C M15 grade km					
local Stone					
3 nos. (Q.V.T.M.B P-4)					
@Rs. 2351.13/each					7173/-
⑩ 200 m Stone					
6 nos. (Q.V.T.M.B P-4)					
@Rs. 649.38/each					3896/-
⑪ Retro-reflectored traffic signs					
2.88 m ² (Q.V.T.M.B P-4)					
@Rs. 11876.96/m ²					34206/-
⑫ Painting lines, dashes arrow etc. on road in two Coats					
15 m ² (Q.V.T.M.B P-4)					
@Rs. 80.55/m ²					1208/-
					Rs. 3731456/-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13/15) 600 mm equilateral and triangle.					
1 nos. (Q.V.T.M.B P-4)					
@ Rs. 3500.42/each Rs.					3500/-
(14/16) 600 mm circular					
1 nos. (Q.V.T.M.B P-5)					
@ Rs. 3697.82/each Rs.					3698/-
(15/17) 600 mm x 450 mm rectangular					
1 nos. (Q.V.T.M.B P-5)					
@ Rs. 3573.47/each Rs.					3573/-
(16/18) planting of trees and their maintenance					
75 nos. (Q.V.T.M.B P-5)					
@ Rs. 842.36/each Rs.					63177/-
(17/19) half brick circular tree guard in 2nd class brick.					
75 nos. (Q.V.T.M.B P-5)					
@ Rs. 2116.75/each Rs.					158756/-
(18/20) P.V. x laying of hot applied thermoplastic road marking in BT					
300 m ² (Q.V.T.M.B P-5)					
@ Rs. 721.95/m ² Rs.					216585/-
					1

Continuation

Rs. 4180745/-

B/R 4180745/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/22) p/v x fixing of typical masonry infirmatory sign board with Logo					
2 nos. (Q.V. TMS p-5)					
@ Rs. 11328.73/each					22657/-
(20/23) Brick masonry work in cement mortar					
2.88 m ³ (Q.V. TMS p-6)					
@ Rs. 6392.13/m ³					18409/-
(21/24) Plastering with cement mortar (1:4) on brickwork					
20.16 m ³ (Q.V. TMS p-6)					
@ Rs. 178.71/m ³					3603/-
(22/25) Painting two coats including primer coat					
58.56 m ² (Q.V. TMS p-6)					
@ Rs. 100.76/m ²					5900/-
(23/26)					Rs. 4231314/-
Add GST 12%					507758/-
Add L.C 1%					42313/-
Add S. Fee					52184/-
					Rs. 4833569/-
Deduct 12.56% below					607096/-
					Rs. 4226473/-

Continuation
 Date 02/10/23
 B/R 4180745/-
 DC